GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:2804
ANSWERED ON:03.08.2016
Research Projects by CSIR
Singh Shri Abhishek

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) the details of various major research projects undertaken by the Council of Scientific and Industrial Research (CSIR) in various States including Chhattisgarh during each of the last three years and the current year, State-wise; and
(b) the budget allocated and spent on the said projects, State-wise during the above period?

Answer

MINISTER OF STATE OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES

(SHRI Y.S. CHOWDARY)

(a)&(b) Council of Scientific & Industrial Research (CSIR) is currently implementing 158 research projects under the 12th Five Year Plan through its 38 constituent Laboratories located in different states of India.

The details of various research projects undertaken by CSIR during each of the last three years and the current year, State-wise is given in Annexure-I. There is no CSIR laboratory located in the state of Chhattisgarh.

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ANNEXURE-I
State wise, Laboratory-wise and Project wise Budget allocated during 2013-14 to 2016-17
Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
State / U.T. : Assam					
Laboratory: CSIR-NEIST					
1	New initiatives to boost agriculture productivity through maximizing pre- and post-harvest yields (AGROPATHY)	35.632	35.820	41.760	19.920
2	Bioprospection of plant resources and other natural products (BioprosPR)	15.789	13.225	16.400	19.400
3	Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives (SIMPLE)	50.753	19.240	29.180	25.680
4	Introduction, domestication, improvement and cultivation of economically important plants (AGTEC)	30.062	31.568	31.447	46.309
5	Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH)	37.497	23.625	24.250	33.350
6	Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE)	33.011	26.120	22.660	20.660
7	Therapeutics of Chronic Obstructive Pulmonary Disease (COPD) and Related Respiratory Disorders (TREAT)	32.355	11.190	14.000	9.000
8	Plant-Microbe and Soil Interactions (PMSI)	22.577	19.179	24.590	25.900
9	S&T interventions to combat malnutrition in women and children (HCP07)	2.589	12.684	15.443	7.630
10	Zero Emission Research Initiative for Solid Wastes from Leather (ZERIS)	12.637	14.250	26.700	24.200
11	Membrane & Adsorbent Technology Platform for Effective Separation of Gases and Liquids (MATES)	94.958	47.744	38.080	45.360
12	Biocatalysts for Industrial Applications & Greener Organic Synthesis (BIAGOS)	72.482	45.700	34.500	43.000
13	Inherently Safer Practices for Industrial Risk Reduction (INSPIRE)	78.530	26.685	30.470	36.790
14	Organic reactions in generating innovative and natural scaffolds (ORIGIN)	85.849	80.364	35.500	43.000
15	Development of Sustainable Processes for Edible Oils with Health Benefits from Traditional and New Resources (PEOPLE HOPE)	22.437	32.387	17.137	24.880
16	Development of Sustainable Waste Management Technologies for Chemical and Allied Industries (SETCA)	52.197	49.451	50.860	34.200
17	Biomass to Energy (BioEn)	54.065	36.428	37.992	41.892
18	New generation lubricants and additives (GenLube)	74.224	40.745	34.270	30.770
19	Catalysts for Speciality Chemicals (CSC)	123.606	100.276	71.160	72.000
20	Natural Products as Affordable Healthcare Agents (NaPAHA)	179.840	158.335	97.377	99.060
21	Environmental Research Initiative for Paper and Process Industry (ERIPP)	168.975	139.584	104.800	106.800

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
22	Molecules to Materials to Devices (M2D)	46.120	42.548	35.334	41.420
23	Speciality Materials based on Engineered Clays (SPECS)	67.649	62.775	57.000	52.500
24	Advanced Polyolefins (SPIRIT)	49.808	69.450	50.000	59.000
25	North East Exploration for Pharmaceutical (NEEP)	122.802	148.500	83.000	103.000
26	Affordable Cancer Therapeutics (ACT)	44.082	78.300	35.088	43.208
27	CSIR Advanced Analytical Facility for North East (CAAF-NE)	131.740	316.625	26.263	27.820
28	Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment (EDMISSIBLE)	47.409	29.320	17.680	22.580
29	Open Source Drug Discovery programme (OSDD)	9.350	15.000	10.000	
30	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	0.000	0.000	9.460	2.930
31	Advanced Research in Engineering & Earth Sciences: Data intensive modelling and crowd sourcing approach (ARiEES)	21.391	19.600	15.700	17.600
32	Probing the Changing Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan Regions (AIM-IGPHim)	27.102	8.538	7.984	7.484
33	Development of novel leather products based on ethnic designs	0.000	20.000	0.000	
34	R&D Activities Focused at Rural Development (RSP4001)	0.000	0.000	21.793	22.400
35	R&D Activities Focused at Rural Development (RSP4007)	0.000	0.000	98.000	
Laboratory: CSIR-NEIST		1847.520	1775.256	1265.877	1209.743
Total of Assam		1847.520	1775.256	1265.877	1209.743
State / U.T. : Chandigarh (U.T.)					
Laboratory: CSIR-CSIO					
1	Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE)	12.693	7.041	7.201	10.620
2	Effective Application of Community Health Efforts through New Age, IT Based Modes (EACH-IT)	0.000	5.418	4.311	10.600
3	Zero Emission Research Initiative for Solid Wastes from Leather (ZERIS)	5.500	6.364	10.144	10.000
4	Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment (EDMISSIBLE)	86.508	29.332	24.500	35.420
5	Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)	16.548	18.865	6.761	6.270
6	Development and Application of Technologies for Sustainable Transportation (SUSTRANS)	9.277	6.310	3.999	4.562

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
7	Innovative Technologies for Health Assessment and Damage Mitigation of Structures (I-HEAL)	30.113	41.647	34.350	39.100
8	Robotics and Micro Machines (ROuM)	21.959	27.806	12.691	18.770
9	Autonomous Underwater Robotics (UnWaR)	37.243	38.371	30.064	21.600
10	Clean Water: Sustainable Options (Clean Water)	0.000	14.983	50.926	9.150
11	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	0.000	0.000	1.735	2.930
12	Advanced Instrumentation Solutions for Health Care and Agro-based Applications (ASHA)	391.938	391.481	251.613	252.980
13	Opto-Mechatronics Technologies for Next Generation Sensors and Applications (OMEGA)	1296.959	890.420	1536.190	701.120
Laboratory: CSIR-CSIO		1908.739	1478.038	1974.488	1123.122
Laboratory: CSIR-IMTECH					
1	Emerging and re-emerging challenges in infectious diseases: Systems based drug design for infectious diseases (SPIenDID)	48.700	48.086	53.101	53.900
2	Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE)	15.740	20.580	23.128	23.190
3	Understanding supra molecular ensembles and machines (UNSEEN)	264.953	59.999	66.638	73.500
4	Host Interactome analysis: Understanding the Role of Host molecules in Parasitic Infection (HOPE)	7.240	8.971	14.150	323.205
5	Plant-Microbe and Soil Interactions (PMSI)	28.700	28.775	35.212	28.610

6 Epigenetics in Health and Disease (EpiHeD) 27.875 25.749 22.250 22.650
7 Man as a Superorganism: Understanding the Human Microbiome (HUM) 226.725 209.603 294.792 299.550
8 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 1187.863 556.755 1428.907 318.600
9 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 278.417 277.191 293.600 228.660
10 Multidirectional approaches for molecular and systems level understanding of regulatory networks in pathogenic microbes (INFECT) 425.309 321.889 389.500 431.000
11 Drug Discovery: Bugs to Drugs Programme (BUGS TO DRUGS) 297.751 239.509 367.922 384.500
12 Expansion and Modernization of the Microbial Type Culture Collection and Gene Bank (MTCC) 273.764 972.486 1526.314 553.884
13 Natural Products as Affordable Healthcare Agents (NaPAHA) 5.400 4.100 5.755 6.300
14 Environmental Research Initiative for Paper and Process Industry (ERIPP) 17.095 15.351 13.350 13.400
15 Advanced ceramics materials and components for energy and structural application 7.942 10.701 14.434 12.744
16 Open Source Drug Discovery programme (OSDD) 40.729 19.852 35.522
17 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 6.572 2.735 0.000

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
Laboratory: CSIR-IMTECH		3154.203	2826.169	4587.309	2773.693
Total of Chandigarh (U.T.)		5062.942	6079.463	6561.797	3896.815

State / U.T. : Delhi

Laboratory: CSIR-CRRI
1 Design analysis and health assessment of Special structures including bridges 39.720 0.000 0.000
2 Zero Emission Research Initiative for Solid Wastes from Leather (ZERIS) 7.178 12.264 26.019 24.100
3 Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment (EDMISSIBLE) 29.071 26.777 19.627 19.090
4 Development and Application of Technologies for Sustainable Transportation (SUSTRANS) 404.351 309.907 326.117 223.540
5 Innovative Technologies for Health Assessment and Damage Mitigation of Structures (I-HEAL) 19.623 14.369 16.266 17.300
6 Autonomous Underwater Robotics (UnWaR) 24.504 32.756 38.650 21.350
7 Evaluation of Economic Loss Due to Idling of Vehicles at Signalized and Mitigation Measures (ELSIM) 104.971 73.125 40.807 20.350
8 Development of Indian Highway Capacity Manual (Indo-HCM) 302.180 208.596 117.806 76.465
9 Clean Water: Sustainable Options (Clean Water) 1.594 3.400 4.000 3.150
10 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 5.390 0.936 0.000
11 Vulnerability assessment and development of adaption strategies for climate change impact with special reference to coasts and island ecosystems of India (VACCIN) 0.000 0.000 54.889 26.250
12 Probing the Changing Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan Regions (AIM-IGPHim) 6.872 5.808 6.984 8.004
13 Development of a Management System for Maintenance Planning and Budgeting of High Speed Road Corridors 47.557 0.000 0.000

Laboratory: CSIR-CRRI		993.012	687.938	651.166	439.599

Laboratory: CSIR-HQ
1 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 3.734 4.762 6.009 19.180
2 S&T interventions to combat malnutrition in women and children (HCP07) 0.000 0.020 0.146 1.625
3 Open Source Drug Discovery programme (OSDD) 349.355 456.563 198.229

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*

4 Distiguished Scientist (DS) 21.760 0.000 0.000
5 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 3.565 2.930
6 Patinformatics (Patinformatics) 91.225 102.009 126.350
7 Chembioinformatics for Drug Discovery (ISC0203) 80.943 88.944 114.370
8 Open Science and Open Innovation Infrastructure (OSOII) 85.738 118.652 79.492

Laboratory: CSIR-HQ 632.755 770.950 528.160 23.735

Laboratory: CSIR-IGIB

1 New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug Discovery (UNDO) 42.300 21.049 29.653 32.600

2 Emerging and re-emerging challenges in infectious diseases: Systems based drug design for infectious diseases (SPIenDID) 21.350 33.305 20.345 17.900

3 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 54.365 36.810 34.834 42.950

4 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 23.170 12.287 16.767 16.820

5 Therapeutics of Chronic Obstructive Pulmonary Disease (COPD) and Related Respiratory Disorders (TREAT) 156.213 140.610 174.595 141.100

6 Epigenetics in Health and Disease (EpiHeD) 117.625 114.224 75.609 65.500

7 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 31.900 26.998 29.574 30.000

8 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 69.703 55.743 40.979 43.000

9 Centre for Cardiovascular and Metabolic Disease Research (CARDIOMED) 1292.175 737.906 898.964 913.930

10 Genome Dynamics in cellular organization, differentiation and enantiostasis (GenCODE) 865.875 747.885 982.398 941.500

11 CSIR-NCL-IGIB Joint Research Initiative: Interfacing Chemistry and Biology (CSIR-NCL-IGIB-JRI) 131.750 144.187 201.934 230.300

12 Wellness Genomics Project - Understanding genomic signatures of healthy living in Indian population (WG 100) 439.325 99.961 48.444 96.000

13 Towards Understanding skin Cell Homeostasis (TOUCH) 1034.052 676.946 881.238 866.904

14 Effective Application of Community Health Efforts through New Age, IT Based Modes (EACH-IT) 0.000 49.787 82.010 109.140

15 Visualisation of Organisms in Action (VISION) 123.000 105.602 1209.136 196.000

16 Advance Drug Delivery System (ADD) 3.650 4.570 5.992 6.000

17 Centre of Excellence: Waste Utilization and Management (WUM) 14.390 6.706 8.686 8.555

18 Clean Water: Sustainable Options (Clean Water) 0.000 10.987 15.475 15.350

19 Open Source Drug Discovery programme (OSDD) 58.000 21.317 0.000

20 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 3.997 0.880 0.000

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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21 Vulnerability assessment and development of adaption strategies for climate change impact with special reference to coasts and island ecosystems of India (VACCIN) 0.000 0.000 73.836 57.950

22 Validation of Identified Screening Models and Development of New Alternative Models for Evaluation of New Drug Entities 0.000 4.560 0.000

Laboratory: CSIR-IGIB 4478.842 3055.437 4831.351 3831.499

Laboratory: CSIR-NISCAIR

1 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 89.934 117.431 68.609 119.650

2 Vulnerability assessment and development of adaption strategies for climate change impact with special reference to coasts and island ecosystems of India (VACCIN) 0.000 0.000 121.181 107.900

3 CSIR--Wide Consortium Access to Online Information Resources (NKRC) 1812.646 1920.772 2016.825 2123.029

Laboratory: CSIR-NISCAIR 1902.580 2038.203 2206.615 2350.579

Laboratory: CSIR-NISTADS

1 Indian S&T and Innovation Policy (ISTIP) 186.386 212.330 103.709 412.020

Laboratory: CSIR-NISTADS 186.386 212.330 103.709 412.020

Laboratory: CSIR-NPL

1 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 75.295 10.277 10.860 22.360

2 Developing capabilities & facilities for Microelectromechanical systems (Mems) and Sensors 0.000 1.148 0.000

3 Upgradation of SI Base Units, National Standards of Measurements & creation of a network of Calibration and testing laboratories and preparation & dissemination of CRMs 0.000 23.290 0.000

4 Intelligent Coatings (IntelCoat) 11.067 10.134 15.630 14.400

5 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM) 18.416 5.762 9.862 13.191

6 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 2.386 1.601 0.000
7 Conducting polymer paints and coatings for corrosion protection and shielding of concrete 0.000 5.702 0.000
structures in strategic areas
8 Advancement in Metrology 1631.101 0.000 0.000

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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9 Novel Approaches for Solar energy conversion - a TAPSUN project 729.369 103.070 69.822 101.410
10 Efficient silicon photovotaics with smart electronics and lighting systems- a TAPSUN Project 584.457 84.953 223.011 207.700
11 Innovative solution for solar energy storage under CSIR - a TAPSUN project 127.199 44.055 68.551 31.000
12 Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC) 14.898 10.552 17.391 13.780
13 Research Initiative on Nano Devices and Nano-Sensors (R-Nano) 85.661 19.401 18.049 14.000
14 Development of Advanced Materials for Next-Generation Energy-Efficient Devices (D-NEED) 278.850 138.874 934.129 228.000
15 Advanced Quantum Research and Innovation with Ultra Small Systems (AQuaRIUS) 511.438 6.073 386.126 91.975

16 Measurement for Innovation in Science & Technology (MIST) 514.154 437.054 807.339 229.500
17 Probing the Changing Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan 421.657 0.000 320.425 182.596
Regions (AIM-IGPHim)
18 Research and Development on Single Trapped Ion based Frequency Standard (STIOS) 285.399 52.595 219.952 145.000

Laboratory: CSIR-NPL 5291.345 954.541 3101.149 1294.912

Total of Delhi 13484.921 13798.862 11422.151 8352.344

State / U.T. : Goa
Laboratory: CSIR-NIO
1 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 56.693 52.740 73.670 73.670
2 Acquisition of Oceanographic Research Vehicle 3644.048 0.000 0.000
3 Autonomous Underwater Robotics (UnWaR) 77.044 110.260 123.700 51.450
4 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 5.645 2.328 0.000
5 Advanced Research in Engineering & Earth Sciences: Data intensive modelling and crowd 43.350 7.975 9.700 9.600
sourcing approach (ARiEES)
6 Vulnerability assessment and development of adaption strategies for climate change impact 0.000 0.000 69.800 73.200
with special reference to coasts and island ecosystems of India (VACCIN)
7 Innovation Complexes 40.000 0.000 0.000
8 Geodynamic and Earthquake generating processes in NE India and Andaman Subduction Zone 160.500 177.000 26.000 18.420
(GENIAS)
9 Ocean Science Towards Forecasting Indian Marine Living Resource Potential (Ocean Finder) 1431.380 698.052 1813.580 826.560
10 Geological processes in the Indian Ocean - Understanding the input fluxes, sinks and 218.045 497.156 934.250 199.750
Paleoceanography (GEOSINKS)

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*
11 Geo-scientific investigations for deciphering the Earth's internal processes and exploration of 607.634 646.009 530.310 348.810
energy resources (GEOSCAPE)
12 Indian Aquatic Ecosystems: Impact of Deoxygenation, Eutrophication and Acidification (INDIAS 303.610 199.920 742.643 203.040
IDEA)
13 Analyses and Harnessing of Marine Biodiversity for Bioremediation of Aquaculture and 93.973 106.320 239.206 97.300
Industrial Effluents (MARINEBIOTECH)

Laboratory: CSIR-NIO 6681.921 2497.760 4562.858 1901.800

Total of Goa 6681.921 16296.622 4562.858 1901.800

State / U.T. : Gujrat

Laboratory: CSIR-CSMCRI
1 Bioprospection of plant resources and other natural products (BioprosPR) 15.950 26.750 38.080 49.400
2 Genomics of Medicinal Plants and Agronomically Important Traits (PlaGen) 7.750 14.422 15.262 20.000
3 Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important 67.870 84.980 108.658 96.300
plants for useful bioactives (SIMPLE)
4 Plant-Microbe and Soil Interactions (PMSI) 42.856 37.408 39.618 47.400
5 Towards Understanding skin Cell Homeostasis (TOUCH) 18.559 17.605 21.905 20.117
6 Multifunctional electrodes and Electrolytes for Future Technologies (MUTLIFUN) 8.975 5.090 12.402 7.280
7 Clean Coal Technology (TapCoal) 139.870 80.987 53.466 56.380
8 Membrane & Adsorbent Technology Platform for Effective Separation of Gases and Liquids 89.170 67.250 54.492 34.940
(MATES)
9 Potassic (K) fertilizer Technology to Empower the Nation (K-TEN) 345.300 517.630 613.086 260.750
10 Intelligent Coatings (IntelCoat) 7.025 4.310 5.450 4.550
11 Energy Efficient Technologies (E2++) 3.458 5.193 6.856 7.116
12 Biomass to Energy (BioEn) 83.719 84.128 130.945 81.392
13 Waste to Wealth - Waste plastics (W2W) 43.685 32.818 39.190 36.130
14 Hydrogen Energy: Overcoming materials challenges in PEMFC towards generation, separation, 14.300 7.440 9.510 8.610
storage and conversion of hydrogen (HYDEN)
15 Innovate, develop and up-scale modular, agile, intensified and continuous processes and plants 134.250 118.838 119.455 98.000
(Indus MAGIC)

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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16 A Multi-Scale Simulation and Modeling Approach to Designing Smart Functional Materials for use 15.494 17.239 15.078 17.896
in Energy, Electrochemistry and Bio-mimetics (MSM)
17 Natural Products as Affordable Healthcare Agents (NaPAHA) 10.400 13.500 14.000 13.000
18 Environmental Research Initiative for Paper and Process Industry (ERIPP) 12.500 20.340 22.688 22.500
19 Molecules to Materials to Devices (M2D) 34.955 45.450 38.852 38.980
20 Speciality Materials based on Engineered Clays (SPECS) 37.700 17.337 21.197 24.300
21 High Purity Salt & Recovery of Valuable Metal Ions from Marine Resources (HPSMC) 592.765 600.916 719.161 411.826
22 Clean Water: Sustainable Options (Clean Water) 0.000 6.050 9.050 6.550

23 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 10.120 2.930
24 Vulnerability assessment and development of adaption strategies for climate change impact 0.000 0.000 67.176 28.700
with special reference to coasts and island ecosystems of India (VACCIN)
25 Ocean Science Towards Forecasting Indian Marine Living Resource Potential (Ocean Finder) 7.260 4.333 12.870 7.500
26 Sisal- potentials for Rural Development & Green Technology 0.000 20.000 0.000
27 R&D Activities Focused at Rural Development (RSP4021) 0.000 0.000 69.000

Laboratory: CSIR-CSMCRI 1733.810 1850.014 2267.567 1402.547

Total of Gujrat 1733.810 18146.636 2267.567 1402.547

State / U.T. : Himachal Pradesh
Laboratory: CSIR-IHBT
1 New initiatives to boost agriculture productivity through maximizing pre- and post-harvest yields 100.215 77.499 88.680 45.680
(AGROPATHY)
2 Bioprospection of plant resources and other natural products (BioprosPR) 33.600 39.994 49.392 59.400
3 Genomics of Medicinal Plants and Agronomically Important Traits (PlaGen) 146.000 86.390 159.800 114.870
4 Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important 668.510 245.843 434.040 302.040
plants for useful bioactives (SIMPLE)
5 Introduction, domestication, improvement and cultivation of economically important plants 130.656 96.232 124.289 124.169
(AGTEC)
6 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 72.844 27.520 20.390 20.360
7 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 10.320 6.660 9.880 9.130
8 Plant-Microbe and Soil Interactions (PMSI) 78.940 86.027 115.939 103.480
9 Epigenetics in Health and Disease (EpiHeD) 72.765 26.922 22.930 21.180

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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10 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 5.920 64.530 9.669 8.570
11 S&T interventions to combat malnutrition in women and children (HCP07) 10.995 22.440 27.320 6.830
12 Establishment of Centre for High Altitude Biology (CeHAB) 222.927 355.047 461.400 496.500
13 Process and Products from Himalayan Region and their toxicological evaluation (PROMOTE) 180.897 250.690 236.840 226.300
14 Plant Breeding, Genomics and Biotechnology (PLOMICS) 42.125 54.540 63.160 61.360
15 Organic reactions in generating innovative and natural scaffolds (ORIGIN) 21.720 25.063 28.650 29.730
16 Natural Products as Affordable Healthcare Agents (NaPAHA) 15.200 14.340 17.116 17.130
17 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 5.645 2.355 0.000
18 Advanced Instrumentation Solutions for Health Care and Agro-based Applications (ASHA) 34.025 16.500 20.100 18.200
19 Probing the Changing Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan 18.492 11.638 15.984 15.984
Regions (AIM-IGPHim)
20 Tea advisory services for production of quality tea 0.000 16.567 0.000
21 R&D Activities Focused at Rural Development (RSP4001) 0.000 0.000 15.860 14.360
22 R&D Activities Focused at Rural Development (RSP4006) 0.000 0.000 94.375

Laboratory: CSIR-IHBT 1871.798 1526.797 2015.814 1695.273

Total of Himachal Pradesh 1871.798 19673.433 2015.814 1695.273

State / U.T. : Jammu & Kashmir
Laboratory: CSIR-IIIM
1 Bioprospection of plant resources and other natural products (BioprosPR) 33.200 47.349 59.312 69.900
2 Medicinal Chemistry for stem cell biology and regenerative medicine (MEDCHEM) 284.779 213.050 271.950 268.950
3 Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important 83.929 74.460 68.679 63.180
plants for useful bioactives (SIMPLE)
4 Introduction, domestication, improvement and cultivation of economically important plants 90.318 116.447 196.231 195.398
(AGTEC)
5 Plant-Microbe and Soil Interactions (PMSI) 125.636 51.981 89.500 82.900
6 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 4.054 13.649 11.599 11.700
7 Nurturing a new Pan-CSIR drug pipe line: high intensity preclinical, clinical studies on lead 758.515 973.166 723.461 859.000
candidates (DPL)
8 Towards Understanding skin Cell Homeostasis (TOUCH) 33.716 23.103 36.429 26.429
9 Open Source Drug Discovery programme (OSDD) 24.750 11.360 0.000

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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10 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 5.645 2.328 0.000
11 Innovation Complexes 1434.070 4.279 0.000
12 Rural development program including (i) Cultivation of medicinal plants & aromatic plants, (ii) Bio- 10.000 0.000 0.000
pesticides & bio-fertilizers and (iii) Mosquito eradication program
13 R&D Activities Focused at Rural Development (RSP4001) 0.000 0.000 180.547 255.484
14 R&D Activities Focused at Rural Development (RSP4023) 0.000 0.000 16.000

Laboratory: CSIR-IIIM 2888.612 1531.172 1653.708 1832.941

Total of Jammu & Kashmir 2888.612 21204.605 1653.708 1832.941

State / U.T. : Jharkhand
Laboratory: CSIR-CIMFR
1 Clean Coal Technology (TapCoal) 141.074 273.823 107.970 95.610
2 Potassic (K) fertilizer Technology to Empower the Nation (K-TEN) 92.510 96.215 44.784 48.500
3 Advanced ceramics materials and components for energy and structural application 14.959 11.510 7.825 8.932
4 Development of a technology for optimal extraction of locked-up coal from underground mines 236.310 353.152 132.169 170.100
using artificial pillars (DeCoalArt)
5 Development of Zero Waste Technology for Processing and Utilization of Thermal Coal (ZWT- 7.739 9.684 11.489 9.350
CUP)
6 Robotics and Micro Machines (ROuM) 48.194 25.800 33.227 37.250
7 Development of underground coal gasification technology in India (CoalGasUrja) 137.897 328.924 71.680 96.360

8 Development of suitable design methodology for extraction of coal at greater depths (>300 m) 465.356 450.567 109.260 83.010
for Indian geomining conditions (DeepCoal)
9 National Clean Air Mission (NCAM) 7.896 6.257 5.452 4.706
10 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 7.085 2.930

Laboratory: CSIR-CIMFR 1151.936 1555.932 530.943 556.748

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*
Laboratory: CSIR-NML
1 Sustainable Technologies for the Utilization of Rare Earths (SURE) 29.145 12.777 16.584 15.834
2 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific 18.251 9.339 10.823 10.823
Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)
3 Advanced ceramics materials and components for energy and structural application 4.396 8.369 10.029 9.806
4 Development of Zero Waste Technology for Processing and Utilization of Thermal Coal (ZWT- 102.234 105.609 204.382 41.710
CUP)
5 Development of Magnesium Metal Production Technology (MPT) 301.787 99.259 99.253 42.100
6 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 4.655 2.849 0.000
7 Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC) 17.410 19.139 17.619 13.320
8 Measurement for Innovation in Science & Technology (MIST) 4.000 5.353 40.088 8.000

Laboratory: CSIR-NML 477.223 264.500 401.628 141.593

Total of Jharkhand 1629.159 23025.037 932.571 698.341

State / U.T. : Karnataka
Laboratory: CSIR-4PI
1 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 7.704 5.142 5.145 6.580
2 Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment 31.826 19.139 7.566 11.090
(EDMISSIBLE)
3 Development of suitable design methodology for extraction of coal at greater depths (>300 m) 1.600 1.885 1.299 1.600
for Indian geomining conditions (DeepCoal)
4 Distinguished Scientist (DS) 1.456 0.000 0.000
5 Distinguished Scientist (DS) 10.286 11.886 0.000
6 Advanced Research in Engineering & Earth Sciences: Data intensive modelling and crowd 548.994 593.413 358.831 423.800
sourcing approach (ARiEES)
7 Vulnerability assessment and development of adaption strategies for climate change impact 0.000 0.000 36.949 45.960
with special reference to coasts and island ecosystems of India (VACCIN)
8 Setting up State-of-art Multi-Teraflop High Performance Computing (HPC) Facility 74.999 96.676 0.000
9 Integrated Analysis for Impact, Mitigation and Sustainability (IAIMS): Regional Climate Modelling at 1036.342 0.000 0.000
Decade Scale
10 Indian Aquatic Ecosystems: Impact of Deoxygenation, Eutrophication and Acidification (INDIAS 4.397 7.120 8.978 8.020
IDEA)
Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*
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11 Probing the Changing Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan 5.341 6.437 11.243 6.984
Regions (AIM-IGPHim)

Laboratory: CSIR-4PI 1722.946 741.698 430.012 504.034

Laboratory: CSIR-CFTRI
1 New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug 20.500 9.680 11.720 13.400
Discovery (UNDO)
2 New initiatives to boost agriculture productivity through maximizing pre- and post-harvest yields 633.750 584.984 546.228 417.280

(AGROPATHY)
3 Bioprospection of plant resources and other natural products (BioprosPR) 6.700 9.755 12.400 13.400
4 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 2.750 3.300 5.300 5.300
5 S&T interventions to combat malnutrition in women and children (HCP07) 12.225 21.260 27.772 7.400
6 Wellness through Foods and Nutraceuticals (WELFO) 295.220 287.050 233.609 184.000
7 Lipidomics Center (LIPIC) 763.316 144.949 147.695 173.700
8 Creation of Advanced Research Facility in Molecular Nutrition (Nutri-ARM) 153.852 93.640 139.177 136.520
9 Zero Emission Research Initiative for Solid Wastes from Leather (ZERIS) 49.230 47.468 48.720 76.100
10 Membrane & Adsorbent Technology Platform for Effective Separation of Gases and Liquids 8.160 9.698 9.796 10.370
(MATES)
11 Development of Sustainable Processes for Edible Oils with Health Benefits from Traditional and 3.899 4.676 6.196 5.734
New Resources (PEOPLE HOPE)
12 Encapsulated Microorganisms for Environmental Protection (EMEP) 35.060 35.390 27.880 30.320
13 Open Source Drug Discovery programme (OSDD) 15.608 5.000 0.000
14 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 5.265 2.328 0.000
15 Measurement for Innovation in Science & Technology (MIST) 11.440 6.880 7.320 7.680
16 Sisal- potentials for Rural Development & Green Technology 0.000 20.000 0.000
17 R&D Activities Focused at Rural Development (RSP4008) 0.000 0.000 30.152

Laboratory: CSIR-CFTRI 2016.975 1286.058 1253.964 1081.204

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

Laboratory: CSIR-NAL
1 Novel Energy Effective Metallic Materials for Automotive and General Engineering Application 48.728 6.800 9.300 9.100
(LWM)
2 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific 65.433 18.489 20.563 12.415
Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)
3 Advanced ceramics materials and components for energy and structural application 12.532 2.696 3.035 2.686
4 Development and Application of Technologies for Sustainable Transportation (SUSTRANS) 12.920 1.875 2.750 2.250
5 Technology Solutions for Micro Air Vehicle Development (MAT) 648.206 286.785 245.073 208.590
6 Robotics and Micro Machines (ROuM) 65.774 18.361 21.450 21.450
7 Avionics and Flight Controls Civil Aerospace Technologies (AFCCAT) 0.000 348.587 452.080 289.350
8 Advanced Structural Technologies for Aircraft (ASTA) 320.277 369.644 479.578 317.738
9 Aerodynamics and Propulsion Technologies for Next Generation Civil Aircraft (ADPR) 0.000 339.808 691.086 348.910
10 Transport Aircraft Design Bureau (TADB) 0.000 115.843 87.112 151.760
11 Augmentation and Refurbishment of National Trisonic Aerodynamic Facilities (NTAF) 148.418 260.875 193.882 51.000
12 Distinguished Scientist (DS) 1.583 0.000 0.000
13 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 6.905 2.850 0.000
14 Advanced Research in Engineering & Earth Sciences: Data intensive modelling and crowd 43.400 14.650 18.400 19.800
sourcing approach (ARiEES)
15 Spearhaeding Small Civilian Aircraft Design, Development and Manufacturing 1500.008 0.000 0.111

Laboratory: CSIR-NAL 2867.279 1791.318 2227.270 1435.049

Total of Karnataka 6607.200 26844.111 3911.245 3020.287

State / U.T. : Kerala
Laboratory: CSIR-NIIST
1 Towards holistic understanding of Complex Diseases: Unraveling the Threads of Complex 24.700 11.015 15.050 16.800
Diseases (THUNDER)
2 New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug 16.540 13.580 11.000 11.600
Discovery (UNDO)
3 New initiatives to boost agriculture productivity through maximizing pre- and post-harvest yields 16.215 28.820 23.769 16.420
(AGROPATHY)
4 Bioprospection of plant resources and other natural products (BioprosPR) 5.245 5.736 7.250 8.400
5 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 9.595 4.475 5.890 5.990
Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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6 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 18.820 10.540 12.020 12.120
7 Plant-Microbe and Soil Interactions (PMSI) 8.750 7.638 11.250 9.400
8 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 7.700 3.973 5.700 8.500
9 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 8.975 11.050 18.100 17.350
10 S&T interventions to combat malnutrition in women and children (HCP07) 7.593 29.112 38.750 4.563
11 Multifunctional electrodes and Electrolytes for Future Technologies (MUTLIFUN) 17.040 14.155 51.940 16.880
12 Organic reactions in generating innovative and natural scaffolds (ORIGIN) 77.000 51.500 85.000 41.500
13 Development of Sustainable Processes for Edible Oils with Health Benefits from Traditional and 69.277 52.112 47.822 34.620
New Resources (PEOPLE HOPE)
14 Intelligent Coatings (IntelCoat) 102.300 107.925 61.000 63.250
15 Waste to Wealth - Waste plastics (W2W) 27.990 8.625 10.900 9.400
16 Innovate, develop and up-scale modular, agile, intensified and continuous processes and plants 31.125 33.775 39.250 29.750
(Indus MAGIC)
17 Catalysts for Speciality Chemicals (CSC) 23.795 30.068 31.000 23.000
18 Encapsulated Microorganisms for Environmental Protection (EMEP) 26.960 29.714 19.660 21.660
19 A Multi-Scale Simulation and Modeling Approach to Designing Smart Functional Materials for use 24.146 16.034 32.455 39.192
in Energy, Electrochemistry and Bio-mimetics (MSM)
20 Natural Products as Affordable Healthcare Agents (NaPAHA) 223.170 89.990 94.500 94.420
21 Environmental Research Initiative for Paper and Process Industry (ERIPP) 50.000 62.816 45.550 35.450
22 Sustainable Technologies for the Utilization of Rare Earths (SURE) 332.733 461.726 254.156 273.447
23 Development of functional foods and their formulations for potential health benefits of common 237.770 124.434 151.236 142.436
man (FUNHEALTH)
24 Molecules to Materials to Devices (M2D) 224.153 245.496 205.541 266.650
25 Speciality Materials based on Engineered Clays (SPECS) 58.375 67.533 53.000 60.000
26 Novel Energy Effective Metallic Materials for Automotive and General Engineering Application 43.125 24.644 35.500 24.100
(LWM)
27 Clean Water: Sustainable Options (Clean Water) 0.000 6.451 18.910 12.400
28 Open Source Drug Discovery programme (OSDD) 9.000 20.608 0.000
29 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 5.645 2.328 0.000
30 Vulnerability assessment and development of adaption strategies for climate change impact 0.000 0.000 26.500 25.500
with special reference to coasts and island ecosystems of India (VACCIN)
31 Novel Approaches for Solar energy conversion - a TAPSUN project 97.250 30.353 37.000 35.960
32 Efficient silicon photovotaics with smart electronics and lighting systems- a TAPSUN Project 120.500 190.766 47.000 48.750
33 Development of a reverse flow natural convection driers and cottage scale processing for rural 0.000 20.000 0.864
development

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*
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34 R&D Activities Focused at Rural Development (RSP4003) 0.000 0.000 39.681

Laboratory: CSIR-NIIST 1925.487 1816.992 1537.244 1409.507

Total of Kerala 1925.487 28661.103 1537.244 1409.507

State / U.T. : Madya Pradesh
Laboratory: CSIR-AMPRI
1 Molecules to Materials to Devices (M2D) 32.553 10.128 9.078 12.590
2 Novel Energy Effective Metallic Materials for Automotive and General Engineering Application 209.460 192.504 156.070 177.464
(LWM)
3 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific 11.105 5.848 8.466 7.624
Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)
4 Advanced ceramics materials and components for energy and structural application 5.604 5.981 1.636 5.643
5 Design and Development of Thermo Responsive & Magnetic Shape Memory Materials and 171.847 91.931 207.002 82.980
Devices for Engineering Applications (TR&MSMM)
6 Clean Water: Sustainable Options (Clean Water) 0.000 4.914 3.646 3.650
7 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 7.895 2.286 0.000
8 Sisal- potentials for Rural Development & Green Technology 0.000 20.005 1.614
9 R&D Activities Focused at Rural Development (RSP4014) 0.000 0.000 28.595 23.187

Laboratory: CSIR-AMPRI 438.465 333.597 416.106 313.138

Total of Madya Pradesh 438.465 28994.700 416.106 313.138

State / U.T. : Maharashtra
Laboratory: CSIR-NCL
1 New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug 36.450 19.440 29.400 31.400
Discovery (UNDO)
2 Emerging and re-emerging challenges in infectious diseases: Systems based drug design for 7.180 4.724 6.300 5.300
infectious diseases (SPIenDID)
3 Bioprospection of plant resources and other natural products (BioprosPR) 6.240 7.080 7.423 11.400

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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4 Genomics of Medicinal Plants and Agronomically Important Traits (PlaGen) 13.960 10.390 14.500 13.500
5 Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important 143.760 38.360 51.280 50.780
plants for useful bioactives (SIMPLE)
6 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 29.130 19.960 27.960 24.930
7 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 52.790 29.130 18.540 18.540
8 Host Interactome analysis: Understanding the Role of Host molecules in Parasitic Infection 5.420 6.148 10.820 5.550
(HOPE)
9 Neurodegenerative diseases: Causes and Corrections (miND) 36.094 20.625 32.600 33.100
10 Plant-Microbe and Soil Interactions (PMSI) 44.606 48.075 72.000 73.810
11 Man as a Superorganism: Understanding the Human Microbiome (HUM) 83.955 39.610 58.380 43.320
12 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 57.090 74.200 45.900 48.600
13 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 17.500 27.160 23.968 23.900
14 Genome Dynamics in cellular organization, differentiation and enantiostasis (GenCODE) 45.750 55.500 64.994 46.500
15 CSIR-NCL-IGIB Joint Research Initiative: Interfacing Chemistry and Biology (CSIR-NCL-IGIB-JRI) 161.400 137.655 171.021 167.000
16 Towards Understanding skin Cell Homeostasis (TOUCH) 30.259 43.169 46.949 37.017
17 Clean Coal Technology (TapCoal) 114.642 136.827 86.200 91.190
18 Zero Emission Research Initiative for Solid Wastes from Leather (ZERIS) 15.605 11.890 16.036 19.500
19 Membrane & Adsorbent Technology Platform for Effective Separation of Gases and Liquids 8.395 7.665 6.320 6.570
(MATES)
20 Biocatalysts for Industrial Applications & Greener Organic Synthesis (BIAGOS) 82.732 68.941 69.500 72.100
21 Inherently Safer Practices for Industrial Risk Reduction (INSPIRE) 12.100 4.754 6.227 6.320
22 Organic reactions in generating innovative and natural scaffolds (ORIGIN) 234.707 320.449 501.763 185.500
23 Non-Infringing chemistry and engineering for pharmaceuticals (NICE-P) 16.960 18.135 30.448 28.190
24 Metabolic profiling of human body fluids by MS and NMR (CMET) 28.330 15.877 17.230 18.240
25 Screening molecules in lead exploration (SMiLE) 24.760 29.140 23.116 22.080
26 Development of Sustainable Processes for Edible Oils with Health Benefits from Traditional and 54.200 13.633 16.707 15.980
New Resources (PEOPLE HOPE)
27 Development of Sustainable Waste Management Technologies for Chemical and Allied 55.190 43.722 30.660 19.320
Industries (SETCA)
28 Energy Efficient Technologies (E2++) 27.620 22.122 23.630 28.830
29 Catalysts for Sustainable Energy (ECat) 102.872 29.072 37.810 39.310
30 Research Initiative for Low Emissions (RILE) 7.100 2.088 3.000 3.000
31 Hydrogen Energy: Overcoming materials challenges in PEMFC towards generation, separation, 211.379 149.640 219.982 231.300
storage and conversion of hydrogen (HYDEN)
Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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32 Innovate, develop and up-scale modular, agile, intensified and continuous processes and plants 640.700 746.564 809.425 517.500
(Indus MAGIC)
33 Catalysts for Speciality Chemicals (CSC) 109.850 114.236 126.742 77.000
34 Encapsulated Microorganisms for Environmental Protection (EMEP) 58.858 45.680 46.460 42.960
35 Creating intellectual property and capabilities for the development of improved security features 63.648 87.210 66.540 58.480
and substrates for the Indian currency note (FUTURE)
36 A Multi-Scale Simulation and Modeling Approach to Designing Smart Functional Materials for use 407.150 203.567 167.283 154.867
in Energy, Electrochemistry and Bio-mimetics (MSM)
37 Natural Products as Affordable Healthcare Agents (NaPAHA) 187.665 128.693 142.856 146.300

38 Development of functional foods and their formulations for potential health benefits of common 165.220 61.270 73.922 69.440
man (FUNHEALTH)
39 Molecules to Materials to Devices (M2D) 194.250 224.305 218.600 254.750
40 Affordable Cancer Therapeutics (ACT) 17.911 25.244 24.876 25.848
41 Advance Drug Delivery System (ADD) 77.229 48.378 66.274 68.604
42 Centre for Surface and Interface Science Research (CSISR) 112.300 14.574 24.362 16.000
43 Nuclear Magnetic Resonance Centre for Advanced Research (NMRCAR) 106.092 64.925 88.808 45.379
44 National Repository of Molecules (NORMS) 244.619 209.929 312.884 184.000
45 Up gradation of Facilities/National Repository of Molecules and National Collection of Industrial 74.675 19.870 29.944 16.000
Micro Organisms Resource Centre (NCIMRC)
46 Clean Water: Sustainable Options (Clean Water) 0.000 34.350 40.844 30.770
47 Open Source Drug Discovery programme (OSDD) 31.900 44.200 10.000
48 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 9.972 2.930
49 Novel Approaches for Solar energy conversion - a TAPSUN project 151.850 92.342 97.371 72.900
50 Innovative solution for solar energy storage under CSIR - a TAPSUN project 220.480 91.284 90.918 58.640
51 Non Invasive Pulse Monitoring Device (NIPMD) 20.960 0.000 0.000
52 R&D Activities Focused at Rural Development (RSP4022) 0.000 0.000 71.560

Laboratory: CSIR-NCL 4653.532 3711.802 4290.306 3264.445

Laboratory: CSIR-NEERI
1 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 25.073 34.130 29.180 27.020
2 Clean Coal Technology (TapCoal) 4.720 3.061 3.880 6.110
3 Waste to Wealth - Waste plastics (W2W) 4.452 3.559 3.243 2.842
4 Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment 17.270 25.540 10.089 9.290
(EDMISSIBLE)
Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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5 Centre of Excellence: Waste Utilization and Management (WUM) 481.178 456.774 314.911 237.400
6 National Clean Air Mission (NCAM) 496.288 184.073 150.851 182.440
7 Clean Water: Sustainable Options (Clean Water) 72.514 183.859 198.970 240.160
8 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 7.139 1.668 0.000
9 Vulnerability assessment and development of adaption strategies for climate change impact 0.000 0.000 42.650 29.050
with special reference to coasts and island ecosystems of India (VACCIN)
10 Innovative solution for solar energy storage under CSIR - a TAPSUN project 118.427 64.500 88.282 41.580
11 Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC) 21.161 41.540 29.120 25.590
12 Measurement for Innovation in Science & Technology (MIST) 24.749 16.550 64.301 13.400
13 Probing the Ch anging Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan 16.335 9.730 23.168 23.668
Regions (AIM-IGPHim)
14 Sisal- potentials for Rural Development & Green Technology 0.000 4.500 0.000
15 Dissemination and showcasing of CSIR rural Technologies 0.000 7.500 0.000
16 Dissemination, Training and Demonstration of appropriate rural housing technologies 0.000 3.500 0.000
17 R&D Activities Focused at Rural Development (RSP4017) 0.000 0.000 33.299
18 R&D Activities Focused at Rural Development (RSP4018) 0.000 0.000 30.500
19 R&D Activities Focused at Rural Development (RSP4019) 0.000 0.000 34.200

Laboratory: CSIR-NEERI 1289.305 1040.484 1056.645 838.550

Total of Maharashtra 5942.837 33746.986 5346.951 4102.995

State / U.T. : Odisha
Laboratory: CSIR-IMMT
1 Multifunctional electrodes and Electrolytes for Future Technologies (MUTLIFUN) 37.693 24.062 63.834 18.350
2 Potassic (K) fertilizer Technology to Empower the Nation (K-TEN) 43.808 39.625 52.317 61.250
3 Development of Sustainable Waste Management Technologies for Chemical and Allied 13.661 8.706 7.757 6.870
Industries (SETCA)
4 Biomass to Energy (BioEn) 16.944 9.694 12.450 7.192
5 Environmental Research Initiative for Paper and Process Industry (ERIPP) 24.228 6.112 7.143 10.800
6 Sustainable Technologies for the Utilization of Rare Earths (SURE) 60.338 29.463 21.907 37.254
7 Speciality Materials based on Engineered Clays (SPECS) 26.397 12.314 15.298 23.900
8 Novel Energy Effective Metallic Materials for Automotive and General Engineering Application 59.619 47.753 12.725 10.940
(LWM)

9 Advanced ceramics materials and components for energy and structural application 22.508 4.199 7.042 8.685

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
10	Development of Zero Waste Technology for Processing and Utilization of Thermal Coal (ZWT-CUP)	11.863	12.034	17.015	21.840
11	Robotics and Micro Machines (ROuM)	47.205	25.759	14.158	17.430
12	Minerals to Metals for Sustainable Planet (MINMET)	322.060	162.383	315.684	773.418
13	Processing of natural gemstones for aesthetic improvement and value addition (PNG)	752.990	117.294	128.720	183.480
14	Clean Water: Sustainable Options (Clean Water)	0.000	5.145	7.326	7.830
15	Centre for Special Materials (CSM)	289.381	184.882	120.556	163.000
16	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	0.000	0.000	6.966	2.930
17	Innovative solution for solar energy storage under CSIR - a TAPSUN project	34.826	15.781	17.811	15.000
18	Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC)	61.677	35.028	14.350	21.830
19	Probing the Changing Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan Regions (AIM-IGPHim)	12.148	9.199	11.690	13.192
20	Development of techniques and demonstration for improving rural tanning	0.000	8.680	0.000	
21	R&D Activities Focused at Rural Development (RSP4020)	0.000	0.000	50.912	
	Laboratory: CSIR-IMMT	1837.345	758.113	905.663	1405.191
	Total of Odisha	1837.345	34505.099	905.663	1405.191

State / U.T. : Rajasthan

Laboratory: CSIR-CEERI

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
1	Effective Application of Community Health Efforts through New Age, IT Based Modes (EACH-IT)	0.000	9.450	14.050	10.600
2	Clean Coal Technology (TapCoal)	16.386	16.990	7.370	7.370
3	Creating intellectual property and capabilities for the development of improved security features and substrates for the Indian currency note (FUTURE)	53.973	18.435	55.282	15.050
4	Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment (EDMISSIBLE)	101.535	53.850	54.450	52.720
5	Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)	8.819	5.448	7.163	7.640
6	Technology Solutions for Micro Air Vehicle Development (MAT)	20.867	37.665	39.927	43.820
7	Innovative Technologies for Health Assessment and Damage Mitigation of Structures (I-HEAL)	44.000	24.475	21.091	20.400

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
8	Robotics and Micro Machines (ROuM)	12.040	15.428	19.510	18.250
9	Autonomous Underwater Robotics (UnWaR)	82.627	48.160	43.500	34.500
10	Clean Water: Sustainable Options (Clean Water)	0.000	7.830	6.130	4.550
11	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	0.000	6.906	2.851	0.000
12	Efficient silicon photovotaics with smart electronics and lighting systems- a TAPSUN Project	523.423	174.641	130.172	137.750
13	Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC)	1193.424	822.156	770.166	419.160
14	Research Initiative on Nano Devices and Nano-Sensors (R-Nano)	412.499	201.915	496.853	277.000
15	Advanced Instrumentation Solutions for Health Care and Agro-based Applications (ASHA)	22.523	19.728	7.251	9.700
16	Development of Advanced Materials for Next-Generation Energy-Efficient Devices (D-NEED)	103.200	40.500	115.833	45.600
17	Advanced Quantum Research and Innovation with Ultra Small Systems (AQuaRIUS)	0.000	160.000	0.000	
18	Advanced Microsensors and Microsystems : Design, Development and Applications (MicroSensys)	514.900	275.750	3 53.478	338.000
19	Advanced Facility for Nano Electronics (AFNE)	29.625	32.000	25.369	39.000
	Laboratory: CSIR-CEERI	3139.843	1971.327	2170.446	1481.110
	Total of Rajasthan	3139.843	36476.426	2170.446	1481.110

State / U.T. : Tamil Nadu
Laboratory: CSIR-CECRI
1 Multifunctional electrodes and Electrolytes for Future Technologies (MUTLIFUN) 1468.597 910.535 2115.093 520.262
2 Zero Emission Research Initiative for Solid Wastes from Leather (ZERIS) 13.885 14.453 19.300 19.100
3 Potassic (K) fertilizer Technology to Empower the Nation (K-TEN) 26.550 39.600 30.000 26.000

4 Development of Sustainable Waste Management Technologies for Chemical and Allied 48.430 51.982 43.100 26.990
Industries (SETCA)
5 Intelligent Coatings (IntelCoat) 674.417 231.206 231.400 210.500
6 Advanced Carbon Materials (AdCarbMate) 29.199 38.014 27.820 29.320
7 Hydrogen Energy: Overcoming materials challenges in PEMFC towards generation, separation, 110.863 148.225 172.880 136.800
storage and conversion of hydrogen (HYDEN)
8 A Multi-Scale Simulation and Modeling Approach to Designing Smart Functional Materials for use 19.875 23.031 18.750 19.189
in Energy, Electrochemistry and Bio-mimetics (MSM)
9 Sustainable Technologies for the Utilization of Rare Earths (SURE) 47.189 38.188 45.808 28.558

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
10	Molecules to Materials to Devices (M2D)	313.065	242.102	83.873	60.820
11	Innovative Technologies for Health Assessment and Damage Mitigation of Structures (I-HEAL)	23.700	21.675	21.200	21.700
12	Clean Water: Sustainable Options (Clean Water)	0.000	4.750	6.250	5.250
13	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	5.125	2.328	0.000	
14	Novel Approaches for Solar energy conversion - a TAPSUN project	68.745	56.200	48.350	33.400
15	Innovative solution for solar energy storage under CSIR - a TAPSUN project	634.327	1049.255	240.035	61.150
16	Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC)	27.410	6.750	8.490	6.690
17	Development of Advanced Materials for Next-Generation Energy-Efficient Devices (D-NEED)	7.500	9.229	12.500	12.500
18	Strategic Rural Income enhancements by Medicinal & Industrial plants based technologies	0.000	11.500	0.000	
19	R&D Activities Focused at Rural Development (RSP4011)	0.000	0.000	1.267	
	Laboratory: CSIR-CECRI	3518.878	2899.023	3126.115	1218.229
	Laboratory: CSIR-CLRI				
1	Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH)	29.312	13.177	18.590	22.730
2	Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE)	18.709	16.010	21.264	20.760
3	Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY)	3.550	2.080	5.813	6.600
4	Genomics and Informatics Solutions for Integrating Biology (GENESIS)	39.925	3.130	3.219	4.920
5	Zero Emission Research Initiative for Solid Wastes from Leather (ZERIS)	200.378	249.208	353.624	274.000
6	Membrane & Adsorbent Technology Platform for Effective Separation of Gases and Liquids (MATES)	10.303	9.749	9.016	9.870
7	Development of Sustainable Waste Management Technologies for Chemical and Allied Industries (SETCA)	27.264	19.312	19.236	16.690
8	Biomass to Energy (BioEn)	18.511	14.523	12.901	14.695
9	Innovate, develop and up-scale modular, agile, intensified and continuous processes and plants (Indus MAGIC)	17.210	14.845	23.364	20.500
10	Encapsulated Microorganisms for Environmental Protection (EMEP)	26.419	23.548	14.809	18.320
11	A Multi-Scale Simulation and Modeling Approach to Designing Smart Functional Materials for use in Energy, Electrochemistry and Bio-mimetics (MSM)	4.234	21.070	3.167	3.714
12	Environmental Research Initiative for Paper and Process Industry (ERIPP)	18.250	13.845	15.042	13.300
13	Sustainable Technologies for the Utilization of Rare Earths (SURE)	5.502	11.564	4.890	6.892
14	Molecules to Materials to Devices (M2D)	23.381	15.438	12.013	11.460
15	Science and Technology Revolution in Leather with a Green Touch (STRAIT)	1270.978	1024.402	1188.840	1121.600

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
16	Research Initiative for Waterless Tanning (RIWT)	44.504	41.340	159.672	61.200
17	Advance Drug Delivery System (ADD)	25.384	15.333	21.504	22.924
18	Design Innovation for Smart Material Transformation Yeaning Leather Life Style Products (D'STYLE)	114.240	41.026	94.600	43.640
19	Development and Application of Technologies for Sustainable Transportation (SUSTRANS)	19.775	14.617	14.811	9.875

20 Open Source Drug Discovery programme (OSDD) 12.428 2.994 1.162
21 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 9.176 2.930
22 Novel Approaches for Solar energy conversion - a TAPSUN project 57.425 39.500 48.073 33.720
23 Efficient silicon photovotaics with smart electronics and lighting systems- a TAPSUN Project 31.697 39.225 26.138 28.850
24 Development of novel leather products based on ethnic designs 10.000 0.000 0.000
25 R&D Activities Focused at Rural Development (RSP4005) 0.000 0.000 23.327
26 R&D project pertaining to Rural Development (RSP) 0.000 17.000 0.000

Laboratory: CSIR-CLRI 2029.377 1662.936 2104.252 1769.190

Laboratory: CSIR-MDCX
1 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 6.906 2.826 0.000

Laboratory: CSIR-MDCX 0.000 6.906 2.826 0.000

Laboratory: CSIR-SERC
1 Potassic (K) fertilizer Technology to Empower the Nation (K-TEN) 4.935 6.070 6.260 5.380
2 Innovative Technologies for Health Assessment and Damage Mitigation of Structures (I-HEAL) 394.035 401.770 449.507 211.700
3 Engineering Sustainable Materials and Structures Action Plan I: Sustainability Through Eco- 588.579 690.894 659.240 507.000
Balancing (SUSMAS)
4 Engineering Sustainable Materials and Structures Action Plan II: Sustainability Through Nano- 590.866 608.257 554.964 367.000
Technology and Bio-Mimetics (eNano-Tics)
5 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 7.321 2.850 0.000
6 Innovation Complexes 2145.041 21.702 0.317
7 R&D Activities Focused at Rural Development (RSP4026) 0.000 0.000 47.000

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

Laboratory: CSIR-SERC 3723.455 1736.014 1720.137 1091.080

Total of Tamil Nadu 9271.709 42781.305 6953.332 4078.499

State / U.T. : Telengana
Laboratory: CSIR-CCMB
1 Factors Governing competent gamete production and reproductive dysfunction (PROGRAM) 53.750 53.580 80.000 87.900
2 Towards holistic understanding of Complex Diseases: Unraveling the Threads of Complex 60.300 62.750 78.240 49.800
Diseases (THUNDER)

3 New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug 190.300 187.622 388.592 120.500
Discovery (UNDO)
4 Emerging and re-emerging challenges in infectious diseases: Systems based drug design for 46.500 29.050 40.900 49.400
infectious diseases (SPlenDID)
5 Genomics of Medicinal Plants and Agronomically Important Traits (PlaGen) 4.440 4.895 5.170 6.600
6 Medicinal Chemistry for stem cell biology and regenerative medicine (MEDCHEM) 233.000 87.150 120.500 124.000
7 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 47.345 45.400 59.350 75.350
8 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 79.815 77.130 86.990 91.990
9 Understanding supra molecular ensembles and machines (UNSEEN) 51.500 43.300 49.068 51.000
10 Host Interactome analysis: Understanding the Role of Host molecules in Parasitic Infection 30.140 29.798 50.862 30.780
(HOPE)
11 Neurodegenerative diseases: Causes and Corrections (miND) 275.543 133.920 192.932 170.700
12 Plant-Microbe and Soil Interactions (PMSI) 157.621 115.550 143.050 156.390
13 Epigenetics in Health and Disease (EpiHeD) 510.738 425.840 854.131 419.635
14 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 42.250 26.300 23.404 30.600
15 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 193.450 186.240 213.147 187.600
16 Centre for Cardiovascular and Metabolic Disease Research (CARDIOMED) 282.000 139.175 193.744 120.480
17 Genome Dynamics in cellular organization, differentiation and enantiostasis (GenCODE) 26.000 29.625 47.915 44.000
18 Conservation of endangered animals of India: Molecular Genetics and Reproduction 174.400 155.696 176.000 196.000
Approaches (ConservE)
19 Biology of Ageing and Human Health (BioAGE) 1069.500 595.890 709.116 548.500
20 Plant Breeding, Genomics and Biotechnology (PLOMICS) 200.510 204.040 245.113 245.060
21 Towards Understanding skin Cell Homeostasis (TOUCH) 13.904 16.106 22.808 22.808

22 Natural Products as Affordable Healthcare Agents (NaPAHA) 19.400 8.100 11.500 11.800
Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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23 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific 10.292 11.132 13.739 16.309
Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)
24 Multi-agent Therapy for Cancer: A System Biology Approach 0.000 10.000 0.000
25 Inter-agency Project 0.000 1.104 0.000
26 Project on Conservation of Endangered Species 50.000 2.396 0.000
27 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 9.030 2.930
28 Innovation Complexes 783.345 0.000 0.000
29 Indian Aquatic Ecosystems: Impact of Deoxygenation, Eutrophication and Acidification (INDIAS 13.240 15.625 38.645 22.510
IDEA)
30 R&D Activities Focused at Rural Development (RSP4009) 0.000 0.000 49.500
31 R&D Activities Focused at Rural Development (RSP4010) 0.000 0.000 27.800

Laboratory: CSIR-CCMB 4619.283 2697.414 3931.246 2882.642

Laboratory: CSIR-IICT
1 Towards holistic understanding of Complex Diseases: Unraveling the Threads of Complex 33.550 12.080 15.600 18.100
Diseases (THUNDER)
2 New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug 15.900 19.540 102.600 27.600
Discovery (UNDO)
3 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 89.900 8.680 11.040 11.040
4 Neurodegenerative diseases: Causes and Corrections (miND) 57.600 25.615 45.900 39.100
5 Therapeutics of Chronic Obstructive Pulmonary Disease (COPD) and Related Respiratory 43.500 32.950 47.500 48.200
Disorders (TREAT)
6 Epigenetics in Health and Disease (EpiHeD) 46.473 26.529 38.945 37.115
7 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 72.160 25.492 32.314 32.820
8 Genome Dynamics in cellular organization, differentiation and enantiostasis (GenCODE) 55.500 49.875 85.500 75.500
9 Multifunctional electrodes and Electrolytes for Future Technologies (MUTLIFUN) 35.480 11.713 0.000
10 Membrane & Adsorbent Technology Platform for Effective Separation of Gases and Liquids 68.590 50.160 35.030 30.680
(MATES)
11 Biocatalysts for Industrial Applications & Greener Organic Synthesis (BIAGOS) 62.247 70.200 56.800 48.800
12 Inherently Safer Practices for Industrial Risk Reduction (INSPIRE) 85.308 84.450 55.000 56.870
13 Organic reactions in generating innovative and natural scaffolds (ORIGIN) 691.620 854.193 950.950 490.850
14 Non-Infringing chemistry and engineering for pharmaceuticals (NICE-P) 46.705 41.739 45.240 43.540
15 Metabolic profiling of human body fluids by MS and NMR (CMET) 77.170 136.647 118.530 118.550
16 Screening molecules in lead exploration (SMiLE) 402.650 257.263 822.190 293.360
Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

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17 Development of Sustainable Processes for Edible Oils with Health Benefits from Traditional and 278.708 141.956 185.342 181.072
New Resources (PEOPLE HOPE)
18 Development of Sustainable Waste Management Technologies for Chemical and Allied 90.160 103.497 123.950 72.250
Industries (SETCA)
19 Intelligent Coatings (IntelCoat) 529.490 380.889 257.566 220.610
20 Biomass to Energy (BioEn) 152.551 119.362 100.206 56.626
21 New generation lubricants and additives (GenLube) 20.218 6.876 6.475 6.475
22 Innovate, develop and up-scale modular, agile, intensified and continuous processes and plants 204.750 180.400 193.000 130.000
(Indus MAGIC)
23 Catalysts for Speciality Chemicals (CSC) 64.110 40.980 31.600 31.800
24 Natural Products as Affordable Healthcare Agents (NaPAHA) 28.050 30.900 30.100 28.100
25 Sustainable Technologies for the Utilization of Rare Earths (SURE) 48.765 42.040 25.704 15.204
26 Development of functional foods and their formulations for potential health benefits of common 10.900 12.075 12.500 10.100
man (FUNHEALTH)
27 Molecules to Materials to Devices (M2D) 85.499 27.795 101.980 28.950
28 Speciality Materials based on Engineered Clays (SPECS) 16.850 5.857 9.060 6.830
29 Development of Innovative Technologies for Strategic Flurochemicals (DITSF) 146.750 197.900 104.000 113.800
30 Development of Novel Vaccine Adjuvants (DENOVA) 134.397 114.293 236.440 102.390
31 Affordable Cancer Therapeutics (ACT) 198.830 203.570 180.836 120.850

32 Advance Drug Delivery System (ADD) 235.102 63.252 281.251 91.231
33 Augmentation of Analytical Research Facilities (AARF) 0.000 0.000 59.260 59.260
34 National Repository of Molecules (NORMS) 36.535 162.312 0.000
35 Centre of Excellence: Waste Utilization and Management (WUM) 14.035 7.535 7.455 6.455
36 Open Source Drug Discovery programme (OSDD) 41.880 87.000 25.127
37 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 6.906 2.850 0.000
38 Integrated Analysis for Impact, Mitigation and Sustainability (IAIMS): Regional Climate Modelling at 16.000 0.000 0.000
Decade Scale
39 Novel Approaches for Solar energy conversion - a TAPSUN project 262.705 140.300 164.212 80.650
40 Efficient silicon photovotaics with smart electronics and lighting systems- a TAPSUN Project 72.902 53.100 27.750 19.298
41 Innovative solution for solar energy storage under CSIR - a TAPSUN project 205.818 68.792 135.470 53.660
42 Tea farm mechanization 0.000 10.000 0.000
43 Tea advisory services for production of quality tea 0.000 10.000 0.000
44 R&D Activities Focused at Rural Development (RSP4027) 0.000 0.000 99.200

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

Laboratory: CSIR-IICT 4779.359 3924.713 4864.474 2807.736

Laboratory: CSIR-NGRI
1 Potassic (K) fertilizer Technology to Empower the Nation (K-TEN) 6.195 14.025 17.050 0.500
2 Development of underground coal gasification technology in India (CoalGasUrja) 8.525 19.748 11.430 11.430
3 Development of suitable design methodology for extraction of coal at greater depths (>300 m) 9.300 27.064 23.704 12.400
for Indian geomining conditions (DeepCoal)
4 Clean Water: Sustainable Options (Clean Water) 0.000 5.010 6.830 4.270
5 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 6.906 2.850 0.000
6 Advanced Research in Engineering & Earth Sciences: Data intensive modelling and crowd 15.650 6.100 8.300 8.300
sourcing approach (ARiEES)
7 Geodynamic and Earthquake generating processes in NE India and Andaman Subduction Zone 208.150 186.153 203.250
171.750
(GENIAS)
8 Geological processes in the Indian Ocean - Understanding the input fluxes, sinks and 3.000 4.280 13.100 7.400
Paleoceanography (GEOSINKS)
9 Geo-scientific investigations for deciphering the Earth's internal processes and exploration of 124.405 153.280 181.560 149.060
energy resources (GEOSCAPE)
10 Indian Aquatic Ecosystems: Impact of Deoxygenation, Eutrophication and Acidification (INDIAS 15.840 20.020 37.700 21.260
IDEA)
11 Hazard due to Earthquakes and Tsunami in the Indian region (HEART) 176.982 191.652 218.822 177.554
12 India Deep Earth Exploration Programme (INDEX) 440.195 312.663 362.750 323.750
13 Shallow subsurface imaging of India for resource exploration (SHORE) 889.601 520.050 597.215 471.000
14 R&D Activities Focused at Rural Development (RSP4012) 0.000 0.000 95.000

Laboratory: CSIR-NGRI 1897.843 1466.951 1779.561 1358.674

Total of Telengana 11296.485 50870.383 10575.281 7049.052

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

State / U.T. : Uttar Pradesh
Laboratory: CSIR-CDRI
1 Factors Governing competent gamete production and reproductive dysfunction (PROGRAM) 327.370 228.820 296.942 263.400
2 Towards holistic understanding of Complex Diseases: Unraveling the Threads of Complex 710.550 515.680 454.298 442.000
Diseases (THUNDER)
3 New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug 417.870 412.240 342.000 340.500
Discovery (UNDO)
4 Emerging and re-emerging challenges in infectious diseases: Systems based drug design for 600.316 253.320 546.299 294.400
infectious diseases (SPlenDID)

5 Bioprospection of plant resources and other natural products (BioprosPR) 117.750 119.353 148.500 180.700
6 Medicinal Chemistry for stem cell biology and regenerative medicine (MEDCHEM) 57.650 25.679 36.000 20.200
7 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 88.623 62.918 75.910 62.910
8 Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE) 58.220 20.520 26.020 23.320
9 Understanding supra molecular ensembles and machines (UNSEEN) 140.650 82.904 137.550 122.000
10 Host Interactome analysis: Understanding the Role of Host molecules in Parasitic Infection 329.890 160.050 340.700 280.400
(HOPE)
11 Neurodegenerative diseases: Causes and Corrections (miND) 83.850 26.284 28.100 22.300
12 Epigenetics in Health and Disease (EpiHeD) 103.376 46.154 56.547 52.200
13 Man as a Superorganism: Understanding the Human Microbiome (HUM) 38.715 15.494 22.049 23.120
14 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 100.751 120.200 57.500 63.500
15 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 24.850 20.948 32.101 23.600
16 Genome Dynamics in cellular organization, differentiation and enantiostasis (GenCODE) 21.250 22.910 36.750 23.250
17 Anabolic Skeletal Targets in Health and Illness (ASTHI) 469.888 328.200 292.497 307.000
18 Setting up of World Class Drug Research Institute 0.000 4000.000 1045.473
19 Advance Drug Delivery System (ADD) 38.699 11.544 14.253 14.754
20 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific 70.969 15.669 25.309 20.674
Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)
21 Open Source Drug Discovery programme (OSDD) 46.336 42.220 9.500
22 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 5.645 2.322 0.000
23 Measurement for Innovation in Science & Technology (MIST) 24.000 16.400 15.001 10.000

Laboratory: CSIR-CDRI 3877.217 6549.829 4039.298 2590.228

Rs. Lakh

Sl. No. Title of the Project 2013-14 2014-15 2015-16 2016-17*

Laboratory: CSIR-CIMAP
1 New initiatives to boost agriculture productivity through maximizing pre- and post-harvest yields 46.794 35.020 36.759 19.920
(AGROPATHY)
2 Bioprospection of plant resources and other natural products (BioprosPR) 30.534 31.959 38.846 49.400
3 Genomics of Medicinal Plants and Agronomically Important Traits (PlaGen) 42.522 28.380 43.121 36.680
4 Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important 104.710 65.580 57.760 71.260
plants for useful bioactives (SIMPLE)
5 Introduction, domestication, improvement and cultivation of economically important plants 116.879 84.103 125.625 95.469
(AGTEC)
6 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 30.335 22.910 26.560 26.590
7 Plant-Microbe and Soil Interactions (PMSI) 72.907 64.900 42.642 53.900
8 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 33.656 26.687 15.400 15.300
9 S&T interventions to combat malnutrition in women and children (HCP07) 10.125 12.540 14.634 3.707
10 Chemical Biology of Ocimum and other Aromatic Plants (ChemBio) 662.277 894.894 1021.686 520.055
11 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 9.832 2.930
12 Integrated Analysis for Impact, Mitigation and Sustainability (IAIMS): Regional Climate Modelling at 7.500 0.000 0.000
Decade Scale
13 Tea advisory services for production of quality tea 0.000 20.035 0.000
14 R&D Activities Focused at Rural Development (RSP4001) 0.000 0.000 45.549 50.966
15 R&D Activities Focused at Rural Development (RSP4004) 0.000 0.000 83.048

Laboratory: CSIR-CIMAP 1158.239 1287.008 1561.462 946.177

Laboratory: CSIR-HRDC
1 Analysis and Monitoring of patent applications in International Patent Office for preventing 208.684 121.517 131.860
misappropriation of Indias Traditional Knowledge (TKDL)
2 Traditional Knowledge Digital Library 2020 (Enhanced TKDL-2020) 197.040 242.450 197.006

Laboratory: CSIR-HRDC 405.725 363.967 328.866

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
	Laboratory: CSIR-IITR				
1	New Approaches Towards Understanding of Disease Dynamics and to Accelerate Drug Discovery (UNDO)	105.900	69.040	99.200	104.200
2	Bioprospection of plant resources and other natural products (BioprosPR)	6.700	11.226	14.400	14.400
3	Medicinal Chemistry for stem cell biology and regenerative medicine (MEDCHEM)	15.125	16.632	20.650	10.150
4	Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH)	352.124	324.070	415.380	415.970
5	Nanomaterials: Applications and Impact on Safety, Health and Environment (NanoSHE)	328.320	343.412	461.321	441.320
6	Neurodegenerative diseases: Causes and Corrections (miND)	73.250	88.151	105.500	105.500
7	Epigenetics in Health and Disease (EpiHeD)	18.450	19.300	26.250	19.000
8	Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY)	19.300	7.251	12.800	10.400
9	Genomics and Informatics Solutions for Integrating Biology (GENESIS)	13.370	25.321	19.970	19.770
10	Towards Understanding skin Cell Homeostasis (TOUCH)	46.163	45.375	54.125	54.125
11	Advance Drug Delivery System (ADD)	3.190	2.719	4.000	4.000
12	Clean Water: Sustainable Options (Clean Water)	0.000	5.650	6.150	6.150
13	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	0.000	0.000	10.120	2.930
14	Measurement for Innovation in Science & Technology (MIST)	59.350	15.450	23.700	6.130
	Laboratory: CSIR-IITR	1041.242	973.597	1273.565	1214.045
	Laboratory: CSIR-NBRI				
1	Bioprospection of plant resources and other natural products (BioprosPR)	88.625	79.150	94.909	125.800
2	Genomics of Medicinal Plants and Agronomically Important Traits (PlaGen)	166.429	180.510	277.371	244.210
3	Plant Diversity: Studying adaptation biology and understanding/exploiting medicinally important plants for useful bioactives (SIMPLE)	284.545	250.255	244.697	233.780
4	Introduction, domestication, improvement and cultivation of economically important plants (AGTEC)	128.621	119.806	82.483	61.214
5	Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH)	58.876	42.699	49.133	57.850
6	Plant-Microbe and Soil Interactions (PMSI)	88.010	74.249	100.499	99.900
7	Genomics and Informatics Solutions for Integrating Biology (GENESIS)	29.900	22.100	23.900	19.500
8	S&T interventions to combat malnutrition in women and children (HCP07)	9.713	27.121	39.064	6.476
9	Root Biology and its correlation to sustainable plant development and soil fertility (RootSF)	1350.900	993.851	1255.064	1149.900
10	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	0.000	6.906	2.470	0.000
11	Probing the Changing Atmosphere and its Impacts in Indo-Gangetic Plains (IGP) and Himalayan Regions (AIM-IGPHim)	50.942	21.921	23.300	13.884

Rs. Lakh

Sl. No.	Title of the Project	2013-14	2014-15	2015-16	2016-17*
12	R&D Activities Focused at Rural Development (RSP4001)	0.000	0.000	87.300	28.000
13	R&D Activities Focused at Rural Development (RSP4025)	0.000	0.000	100.000	
14	Rural Development (RSP94)	0.000	20.000	0.000	
	Laboratory: CSIR-NBRI	2256.561	1838.568	2380.188	2040.514
	Total of Uttar Pradesh	8738.983	61883.352	9583.379	6790.964
	State / U.T. : Uttarakhand				
	Laboratory: CSIR-CBRI				
1	Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment (EDMISSIBLE)	438.575	281.760	171.465	222.564
2	Development of a technology for optimal extraction of locked-up coal from underground mines using artificial pillars (DeCoalArt)	17.425	17.616	15.495	14.150
3	Robotics and Micro Machines (ROuM)	26.670	17.750	12.008	13.500
4	Innovative Materials and Technologies for Next Generation Green buildings (INMATE-NGGB)	255.500	421.183	188.758	192.649
5	Clean Water: Sustainable Options (Clean Water)	0.000	4.500	3.713	4.350
6	CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE)	7.350	2.328	0.000	
7	Advanced Research in Engineering & Earth Sciences: Data intensive modelling and crowd	10.100	15.900	14.251	16.902

sourcing approach (ARiEES)
8 Advanced Instrumentation Solutions for Health Care and Agro-based Applications (ASHA) 20.740 10.688 4.450 9.190
9 R&D project pertaining to Rural Development 0.000 20.000 0.000
10 R&D Activities Focused at Rural Development (RSP4002) 0.000 0.000 56.000 37.000

Laboratory: CSIR-CBRI 776.360 791.725 466.141 510.305

Laboratory: CSIR-IIP
1 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 18.132 18.300 11.756 15.200
2 Clean Coal Technology (TapCoal) 67.685 61.406 15.692 12.520
3 Biocatalysts for Industrial Applications & Greener Organic Synthesis (BIAGOS) 6.153 42.675 7.072 8.150
4 Development of Sustainable Processes for Edible Oils with Health Benefits from Traditional and New Resources (PEOPLE HOPE) 13.941 12.127 13.164 8.810
5 Energy Efficient Technologies (E2++) 174.497 130.850 107.949 90.510

Rs. Lakh

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6 Biomass to Energy (BioEn) 128.253 76.940 41.416 35.729
7 Catalysts for Sustainable Energy (ECat) 530.410 249.571 223.139 225.450
8 New generation lubricants and additives (GenLube) 280.256 160.869 78.118 85.520
9 Research Initiative for Low Emissions (RILE) 219.052 144.081 135.901 165.000
10 Waste to Wealth - Waste plastics (W2W) 110.716 29.441 27.976 44.560
11 Advanced Carbon Materials (AdCarbMate) 27.479 31.608 26.717 31.900
12 Catalysts for Speciality Chemicals (CSC) 174.836 75.529 85.734 88.000
13 A Multi-Scale Simulation and Modeling Approach to Designing Smart Functional Materials for use in Energy, Electrochemistry and Bio-mimetics (MSM) 56.402 11.076 10.254 13.515
14 Natural Products as Affordable Healthcare Agents (NaPAHA) 8.907 17.890 8.239 9.000
15 Sustainable Technologies for the Utilization of Rare Earths (SURE) 44.547 58.771 16.466 27.144
16 Speciality Materials based on Engineered Clays (SPECS) 43.318 12.880 14.540 16.680
17 Centre of Excellence for HRD in Hydrocarbon (TrainAll) 0.000 0.000 492.500 336.745
18 Robotics and Micro Machines (ROuM) 8.259 59.112 9.720 8.460
19 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 6.622 2.758 0.000
20 Novel Approaches for Solar energy conversion - a TAPSUN project 49.570 38.151 0.000
21 R&D Activities Focused at Rural Development (RSP4013) 0.000 0.000 72.359

Laboratory: CSIR-IIP 1962.413 1237.899 1401.470 1222.893

Total of Uttarakhand 2738.773 63912.976 1867.611 1733.198

State / U.T. : West Bengal
Laboratory: CSIR-CGCRI
1 Multifunctional electrodes and Electrolytes for Future Technologies (MUTLIFUN) 27.719 9.544 21.569 11.570
2 Membrane & Adsorbent Technology Platform for Effective Separation of Gases and Liquids (MATES) 22.388 11.510 10.018 9.020
3 Intelligent Coatings (IntelCoat) 24.955 10.542 14.150 9.600
4 Energy Efficient Technologies (E2++) 11.741 16.427 9.608 9.256
5 Speciality Materials based on Engineered Clays (SPECS) 15.775 6.794 7.230 5.990
6 Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment (EDMISSIBLE) 49.495 39.368 31.447 24.580

Rs. Lakh

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7 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM) 561.173 235.233 156.442 86.736
8 Advanced ceramics materials and components for energy and structural application 973.144 779.863 688.735 515.350
9 Innovative Technologies for Health Assessment and Damage Mitigation of Structures (I-HEAL) 38.956 23.724 19.474 19.100
10 Robotics and Micro Machines (ROuM) 67.449 14.494 17.621 16.620

11 Leadership in Specialty Glass and Optical Fiber Technologies (GLASSFIB) 1079.843 790.937 726.526 500.600
12 Clean Water: Sustainable Options (Clean Water) 0.000 11.425 11.505 8.350
13 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 7.719 2.707 0.000
14 Efficient silicon photovotaics with smart electronics and lighting systems- a TAPSUN Project 206.681 93.185 24.133 21.750
15 Innovative solution for solar energy storage under CSIR - a TAPSUN project 97.974 29.577 59.141 45.000
16 Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC) 54.541 53.401 85.381 60.580
17 R&D Activities Focused at Rural Development (RSP4028) 0.000 0.000 11.278 16.000
18 R&D Activities Focused at Rural Development (RSP4029) 0.000 0.000 5.389 15.100
19 R&D Activities Focused at Rural Development (RSP4030) 0.000 0.000 2.476 30.000
20 R&D Activities Focused at Rural Development (RSP4031) 0.000 0.000 9.090 20.000
21 R&D Activities Focused at Rural Development (RSP4032) 0.000 0.000 0.746 4.550
22 R&D Activities Focused at Rural Development (RSP4033) 0.000 0.000 3.890 14.350

Laboratory: CSIR-CGCRI 3231.834 2133.743 1918.555 1444.102

Laboratory: CSIR-CMERI
1 Multifunctional electrodes and Electrolytes for Future Technologies (MUTLIFUN) 8.500 4.513 11.636 8.380
2 Clean Coal Technology (TapCoal) 67.039 51.653 45.318 39.150
3 Novel Energy Effective Metallic Materials for Automotive and General Engineering Application 33.461 11.008 14.496 16.040
(LWM)
4 Engineering of Disaster Mitigation and Health Monitoring for Safe and Smart Built Environment 9.158 6.866 4.407 6.790
(EDMISSIBLE)
5 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific 10.572 22.930 15.978 21.723
Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)
6 Development of a technology for optimal extraction of locked-up coal from underground mines 24.041 29.884 33.082 36.960
using artificial pillars (DeCoalArt)
7 Innovative Technologies for Health Assessment and Damage Mitigation of Structures (I-HEAL) 19.626 20.285 9.533 17.500
8 Robotics and Micro Machines (ROuM) 890.044 869.151 872.040 629.728
9 Autonomous Underwater Robotics (UnWaR) 347.641 675.279 799.057 202.500

Rs. Lakh

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10 Intelligent devices and smart actuators (InDeSa) 229.021 172.569 169.136 232.640
11 Development of underground coal gasification technology in India (CoalGasUrja) 14.980 15.324 1.688 6.690
12 Development of suitable design methodology for extraction of coal at greater depths (>300 m) 2.748 2.269 3.862 10.852
for Indian geomining conditions (DeepCoal)
13 Clean Water: Sustainable Options (Clean Water) 0.000 9.178 32.124 14.780
14 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 0.000 7.677 2.930
15 Efficient silicon photovotaics with smart electronics and lighting systems- a TAPSUN Project 180.721 87.529 44.277 45.750
16 Innovative solution for solar energy storage under CSIR - a TAPSUN project 56.932 22.042 15.368 13.750
17 Very High Power Microwave Tubes : Design and Development Capabilities (MTDDC) 14.736 12.352 17.696 23.800
18 Advanced Instrumentation Solutions for Health Care and Agro-based Applications (ASHA) 19.525 8.266 0.000
19 Development of Advanced Materials for Next-Generation Energy-Efficient Devices (D-NEED) 6.500 20.734 27.564 21.200
20 Measurement for Innovation in Science & Technology (MIST) 13.005 3.597 6.274 5.000
21 Sisal- potentials for Rural Development & Green Technology 0.000 5.364 `0.000
22 Dissemination and showcasing of CSIR rural Technologies 0.000 3.315 0.000
23 Dissemination, Training and Demonstration of appropriate rural housing technologies 0.000 3.912 0.000
24 Establishment of a Rural centre to carry out epidemiological study of various hereditary 0.000 2.331 0.000
disorders and to create facility for their Genetic analysis
25 Development of Electrochemical technologies for drinking water up-gradation in the North East 0.000 2.056 0.000
region
26 R&D Activities Focused at Rural Development (RSP4015) 0.000 0.000 20.500 18.500
27 R&D Activities Focused at Rural Development (RSP4016) 0.000 0.000 3.711 30.000
28 Spearhaeding Small Civilian Aircraft Design, Development and Manufacturing 94.000 1.550 0.000

Laboratory: CSIR-CMERI 2042.249 2063.957 2155.424 1404.663

Laboratory: CSIR-IICB
1 Factors Governing competent gamete production and reproductive dysfunction (PROGRAM) 69.393 62.706 87.700 74.300
2 Emerging and re-emerging challenges in infectious diseases: Systems based drug design for 11.650 13.200 19.996 20.000
infectious diseases (SPIenDID)
3 Genomics of Medicinal Plants and Agronomically Important Traits (PlaGen) 8.750 11.025 9.934 10.000

4 Medicinal Chemistry for stem cell biology and regenerative medicine (MEDCHEM) 19.108 8.811 14.000 14.000
5 Integrated NextGen approaches in health disease and environmental toxicity (INDEPTH) 76.093 60.090 74.721 73.720

Rs. Lakh

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6 Understanding supra molecular ensembles and machines (UNSEEN) 164.104 126.742 178.345 179.950

7 Host Interactome analysis: Understanding the Role of Host molecules in Parasitic Infection 441.521 380.274 326.422 333.500
(HOPE)
8 Neurodegenerative diseases: Causes and Corrections (miND) 363.609 283.725 339.299 311.600
9 Therapeutics of Chronic Obstructive Pulmonary Disease (COPD) and Related Respiratory 178.437 123.609 167.557 170.800
Disorders (TREAT)
10 Plant-Microbe and Soil Interactions (PMSI) 25.911 16.095 22.219 15.400
11 Epigenetics in Health and Disease (EpiHeD) 10.125 11.850 14.249 8.750
12 Man as a Superorganism: Understanding the Human Microbiome (HUM) 144.194 104.561 133.312 106.917
13 Centre for BIOtherapeutic Molecule DISCOVERY (BIODISCOVERY) 108.657 83.207 93.000 96.400
14 Genomics and Informatics Solutions for Integrating Biology (GENESIS) 73.076 27.517 27.930 23.430
15 Genome Dynamics in cellular organization, differentiation and enantiostasis (GenCODE) 26.220 28.819 44.500 29.500
16 Bio-energetic Disorders: A multi-model approach to monitoring and management (BenD) 1110.347 444.424 534.536 521.200
17 Organic reactions in generating innovative and natural scaffolds (ORIGIN) 15.754 18.764 25.746 25.770
18 Development of Novel CSIR Technologies for Manufacturing Tailored and Patient-Specific 57.967 127.000 61.526 63.694
Bioceramic Implants and Biomedical Devices at Affordable Cost (BIOCERAM)
19 CSIR Knowledge Gateway and Open Source Private Cloud Infrastructure (KNOWGATE) 0.000 6.905 2.843 0.000
20 Innovation Complexes 931.440 869.953 0.000
21 Integrated Analysis for Impact, Mitigation and Sustainability (IAIMS): Regional Climate Modelling at 12.500 0.000 0.000
Decade Scale

Laboratory: CSIR-IICB 3848.855 2809.277 2177.837 2078.931

Total of West Bengal 9122.938 70919.953 6251.816 4927.696